M 33

The Directory of

U.S. Marine CD-ROMs

National Ocean Service
Office of Oceanography and Marine Assessment
Nimbus Information System
Online Computer Library Center
U.S. Air Force
Compact Cambridge
National Information Services Corporation
EarthInfo Inc.
National Geophysical Data Center
World Data Center-A for Glaciology (Snow and Ice)
National Snow and Ice Data Center
U.S. Library of Congress
U.S. Navy
World Data Center-A For Solid Earth Geophysics
Cooperative Institute for Research in Environmental Sciences
University of Colorado
United States Geological Survey
National Oceanic and Atmospheric Administration
Joint Office for Mapping and Research
Joint Oceanographic Institutions, Inc.
National Climatic Data Center
The Library Corporation
Department of Atmospheric Sciences
University of Washington
National Oceanographic Data Center
National Environmental Satellite, Data, and Information Service
Jet Propulsion Laboratory California Institute of Technology
National Aeronautics and Space Administration
WeatherDisc Associates, Inc.
National Center for Atmospheric Research

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration

C 55.48:

READEX FICHE best copy available

John A. Knauss

March 1991

To Intergovernmental
Oceanographic Commission
Participants

The Directory of U. S. Marine CD-ROMS is presented to you in order to facilitate the international distribution of marine data and information. This exchange of data and information is critical to ocean research in all countries.

Until recently, the means of disseminating data and information from scientific programs was by publication in journals, reports, books, or on microforms, and by main-frame computer technology. With the increasing availability of personal computers equipped with CD-ROM readers, it is becoming more advantageous and cost-effective to provide data and information on CD-ROMs.

Major advances in instrumentation, and the collection, transmission and processing of data, have had a significant impact on the organizational structure of oceanographic research. The development of CD-ROM technology will improve the ability of research workers to carry out highly productive analysis. Further, CD-ROM technology is an inexpensive way to put rare and original data and information into the hands of scholars and students throughout the world. The scientist and researcher can now have vast amounts of data and information at a personal computer workstation.

We believe that the ability to distribute data and information to researchers and scientists by CD-ROM is a breakthrough. Our hope is that it will enable you and your colleagues to perform your research more effectively and economically.

INTRODUCTION

Since its introduction in 1985, CD-ROM has proven its value for reference and research purposes. However, information on CD-ROM products can be difficult to find for the individual researcher.

The purpose of this Directory is to promote the use of marine/oceanic data and information from the U.S. national resource centers using CD-ROM technology in disseminating their data. This first issue of the Directory is being distributed at the Intergovernmental Oceanographic Commission for the purpose of attracting international attention to the availability of U.S. Government data and information.

The Directory provides a listing of all titles that were identified as of December 1990 as having marine/oceanic data and information. The listing includes those products produced by federal agencies, academic institutions, and private industry. This directory is arranged alphabetically by CD-ROM title. For each entry, there is a general description of content and retrieval features, source and vendor information, and an illustration of either the disk or the data from the disk.

Within this publication, trademarked commercial products and companies are named. Rather than put a trademark symbol in every occurrence of a trademarked name, we state that we are using the names only in an editorial fashion with no intention of infringement of the trademark. Mention of a commercial company or product does not imply endorsement by NOAA or the Department of Commerce. Use of information from this publication concerning proprietary products or the test of such products for publicity or advertising purposes is not authorized.

Acknowledgements

U.S. DEPARTMENT OF COMMERCE
Robert A. Mosbacher, Secretary

National Oceanic and Atmospheric Administration
John A. Knauss, Under Secretary for Oceans and Atmosphere

National Environmental Satellite, Data, and Information Service
Thomas N. Pyke, Jr., Assistant Administrator for Satellite and Information Services

National Oceanographic Data Center
Gregory W. Withee, Director

NOAA Central Library
Carol B. Watts, Chief

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International Station Meteorological Climate Summary 27

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Pacific Ocean Temperature and Salinity Profiles NODC-01 37

Tropical Ocean Global Atmosphere (TOGA) Meteorological and Oceanographic Data Sets for 1985 and 1986 39

Water Resources Abstracts - Volume I 41

West Coast Time Series Coastal Zone Color Scanner Imagery 43

World WeatherDisc, Climate Data for the Planet Earth 45

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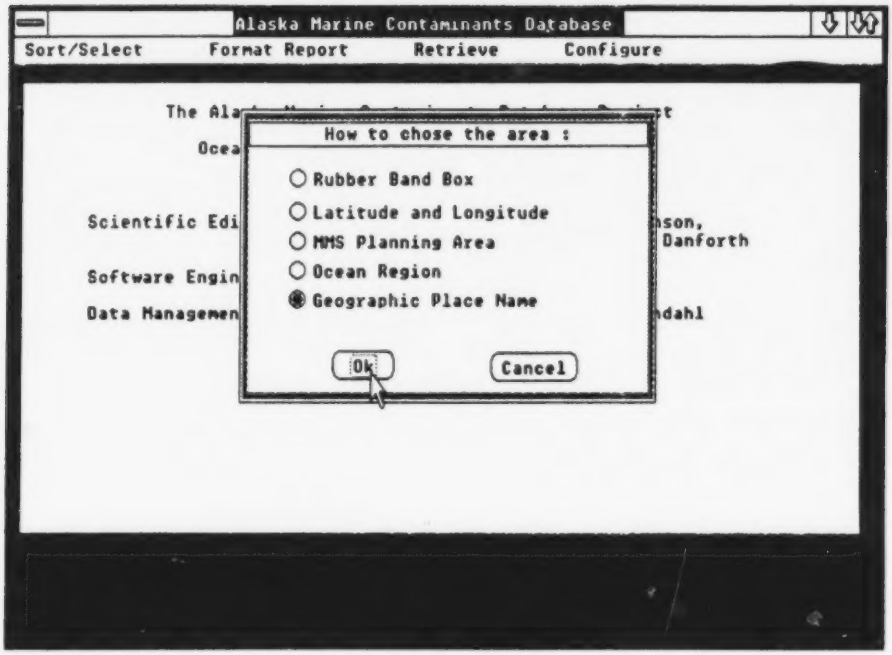
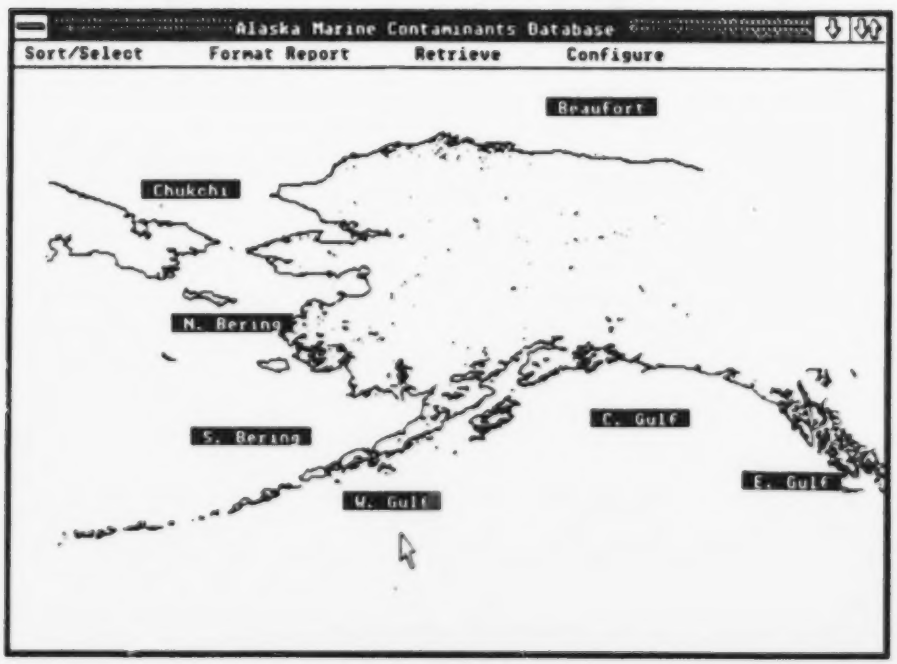


Sort / Select: Area



Area: Ocean Region

Alaska Marine Contaminants Database

Description
Environmental research in the coastal and marine environments around Alaska has resulted in a large body of data on the physical environment and biological resources of the region. The largest single source of Alaskan marine environment data is the Outer Continental Shelf Environmental Assessment Program (OCSEAP), a multidisciplinary program of environmental studies designed to provide scientific information for use on OCS leasing decisions. Most of the data contained in this database are from the final reports of the research projects which gathered them. Over sixty thousand records were transcribed from the original source materials. The CD-ROM comes with a user's guide and software on two disks.

Source of Data

Updated

Coverage

Subject Areas

Software and Hardware
IBM PC/AT or compatible.
Microsoft CDEX 2.0.
Mouse or other pointer.
Microsoft Windows.

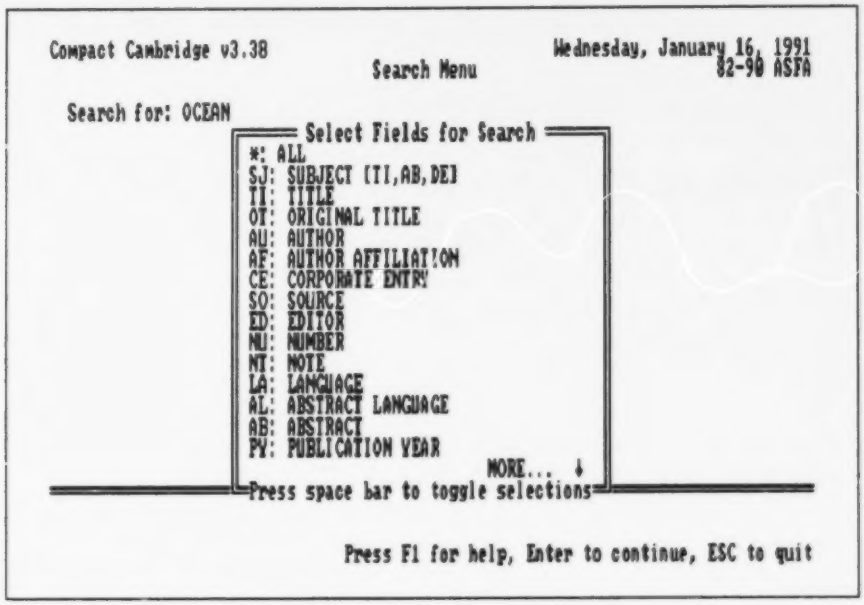
Search Software
CONTAMS

Standard
ISO 9660

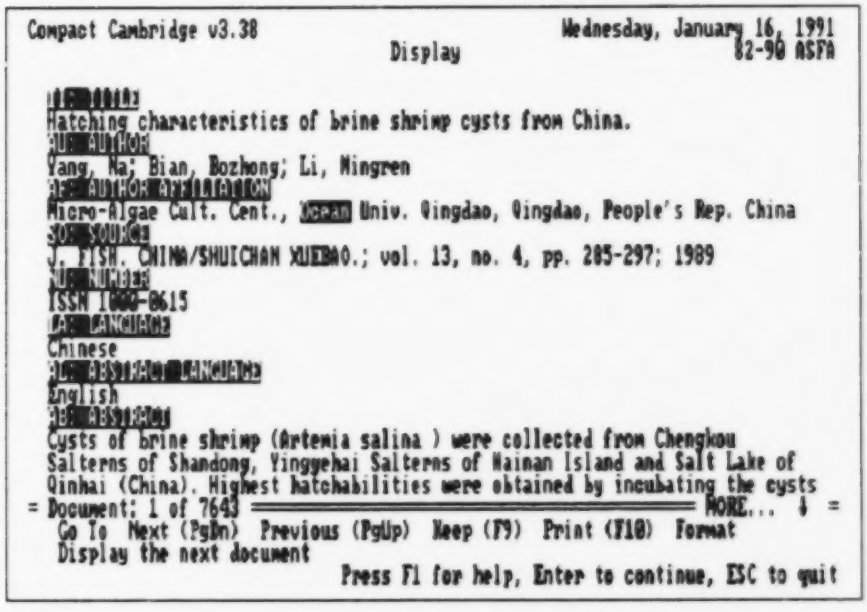
Price

Technical Contact
M. J. Hameedi, Manager
907-271-3033

Vendor
National Ocean Service
Office of Oceanography and
Marine Assessment
Ocean Assessments Division
Alaska Office
Federal Building, U.S.
Courthouse, Rm. A13
222 W. 8th Avenue, #56
Anchorage, Alaska 99513-7543



Limit or Expand Search by Field Options


Compact Cambridge v3.38
Wednesday, January 16, 1991
Display
82-90 ASFA
Hatching characteristics of brine shrimp cysts from China.
Yang, Na; Bian, Bozhong; Li, Mingren
Micro-Algae Cult. Cent., Ocean Univ. Qingdao, Qingdao, People's Rep. China
J. FISH. CHINA/SHUICHAN XUEBAO.; vol. 13, no. 4, pp. 285-297; 1989
ISSN 1000-0615
Chinese
English
Cysts of brine shrimp (Artemia salina) were collected from Chengkou
Salterns of Shandong, Yinggehai Salterns of Hainan Island and Salt Lake of
Qinhai (China). Highest hatchabilities were obtained by incubating the cysts
Document: 1 of 7643
MORE... ↓
Go To Next (PgDn) Previous (PgUp) Keep (F9) Print (F10) Format
Display the next document
Press F1 for help, Enter to continue, ESC to quit

Example of Aquatic Sciences and Fisheries Abstract

Aquatic Sciences and Fisheries Abstracts

Description
Bibliographic citations from worldwide sources in both English and other languages and includes abstracts from key reports, prestigious journals, monographs, dissertations, gray literature and proceedings as well as other pertinent sources. Detailed coverage on aquatic communities, biological and ecological aspects of marine, freshwater and brackish environments, legal, economic and social studies, limnology, marine/aquatic geology and geophysics, marine meteorology and climatology, marine technology and engineering, non-living resources, oceanography, pollution of aquatic environments, related offshore operations and services, remote sensing and fisheries and aquaculture.

Source of Data
UN Sponsored ASFIS System

Updated
Quarterly

Coverage
1982 to date

Subject Areas

Software and Hardware
IBM PC/XT/AT/PS/2 or 100 compatible. 640K RAM. PC-DOS or MS-DOS 3.1 or higher. MGA or CGA monitor.

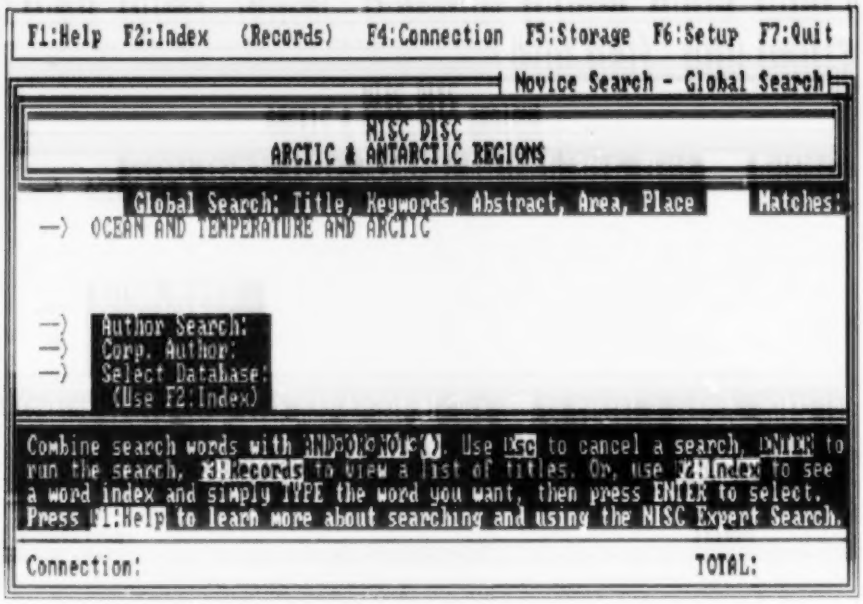
Search Software

Standard

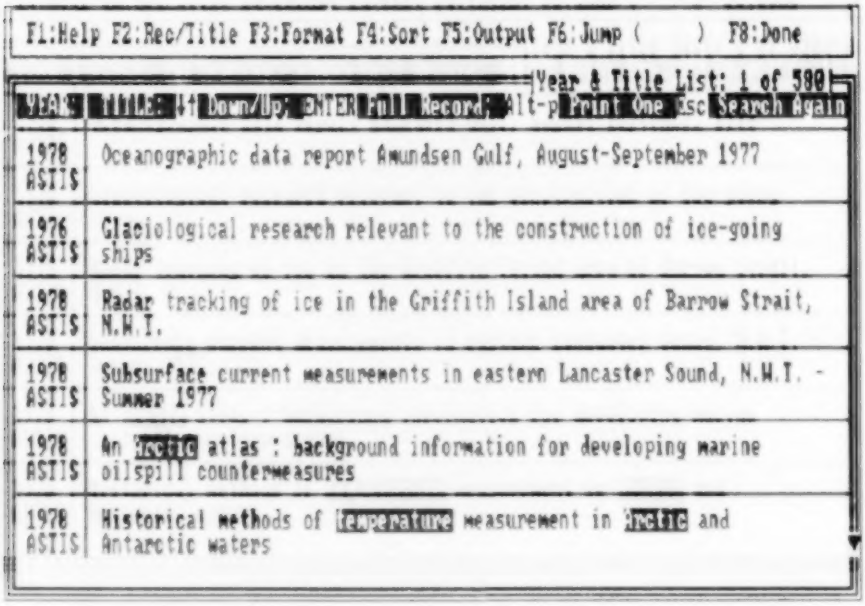
Price
Current year subscription plus 1988 to date backfile years $2,495; current year subscription plus 1982 to date backfile years $4,995; $1,395 subscription renewal

Technical Contact
800-843-7751 Ext 2

Vendor
Compact Cambridge
7200 Wisconsin Ave
Bethesda, MD 20814
301-961-6700
FAX 301-961-6720


F1:Help F2:Index (Records) F4:Connection F5:Storage F6:Setup F7:Quit
Novice Search - Global Search
NISC DISC
ARCTIC & ANTARCTIC REGIONS
Global Search: Title, Keywords, Abstract, Area, Place
Matches:
—) OCEAN AND TEMPERATURE AND ARCTIC
—) Author Search:
—) Corp. Author:
—) Select Database:
(Use F2:Index)
Combine search words with AND OR NOT ( ). Use Esc to cancel a search, ENTER to run the search, F3:Records to view a list of titles. Or, use F2:Index to see a word index and simply TYPE the word you want, then press ENTER to select. Press F1:Help to learn more about searching and using the NISC Expert Search.
Connection:
TOTAL:

Arctic & Antarctic Regions Search Options


F1:Help F2:Rec/Title F3:Format F4:Sort F5:Output F6:Jump ( ) F8:Done
Year & Title List: 1 of 590
Year: Title: ↓↑ Down/Up ENTER Full Record Alt-p Print One Esc Search Again
1978 ASTI$ Oceanographic data report Amundsen Gulf, August-September 1977
1976 ASTI$ Glaciological research relevant to the construction of ice-going ships
1978 ASTI$ Radar tracking of ice in the Griffith Island area of Barrow Strait, N.W.T.
1978 ASTI$ Subsurface current measurements in eastern Lancaster Sound, N.W.T. - Summer 1977
1978 ASTI$ An Arctic atlas : background information for developing marine oilspill countermeasures
1978 ASTI$ Historical methods of temperature measurement in Arctic and Antarctic waters

List of Titles

Arctic and Antarctic Regions

Description
Over 300,000 abstracts and citations compiled by the Science and Technology Division of the U.S. Library of Congress from the Cold Regions Database and other sources. The latest version also includes the following databases: The Arctic Institute of North America (ASTIS), Calgary, Alberta, Canada; Cold Ocean Resources Engineering Center (C-CORE), St. Johns, Newfoundland, Canada; World Data Center A for Glaciology [Snow and Ice] (CITATION), Boulder, Colorado, USA; Scott Polar Research Institute (SPRILIB), University of Cambridge, England; and United States Department of Energy (AORIS). The database includes abstracts of articles from thousands of journals, monographs, reports, case studies and more. It covers aspects of the life, physical and social sciences and related engineering, biology, ozone, navigation, legal conservation, military use, management issues regarding the polar caps and surrounding areas, and cold regions in general. Access software is on the CD-ROM. 68 page user's guide.

Source of Data

Updated
Semi-Annual

Coverage
1950 - January 1991

Subject Areas
Arctic, Antarctic, Cold Regions, Ice, Water Engineering

Software and Hardware
IBM PC/XT/AT, PS/2 or compatible, 512K RAM, MS-DOS CD-ROM Extensions, monochrome or color monitor.

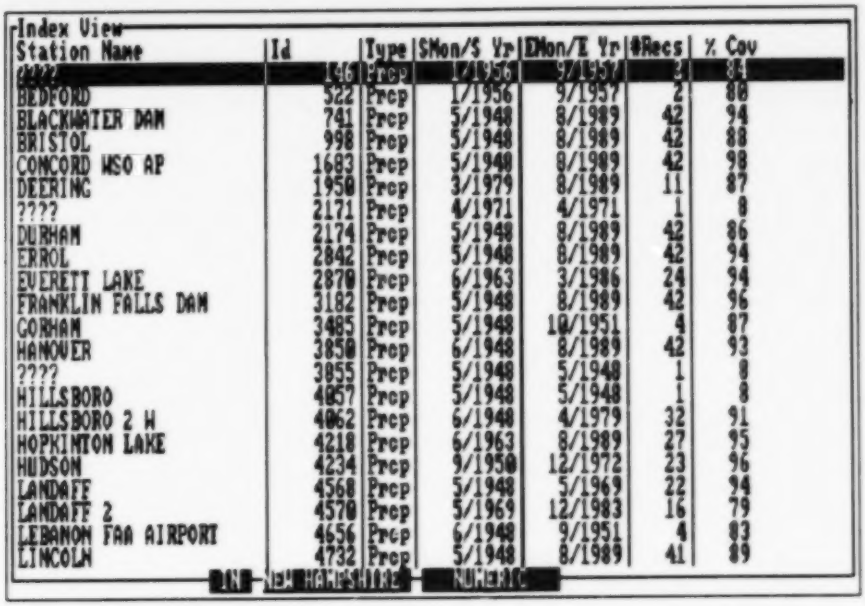
Search Software
NISC Customized Dataware CD-Answer

Standard
ISO 9660

Price
$795 annual subscription

Technical Contact
Fred Durr, 301-243-0797

Vendor
National Information Services Corporation (NISC)
Suite 6, Wyman Towers
3100 St. Paul Street
Baltimore, MD 21218
301-243-0797
FAX 301-243-0982

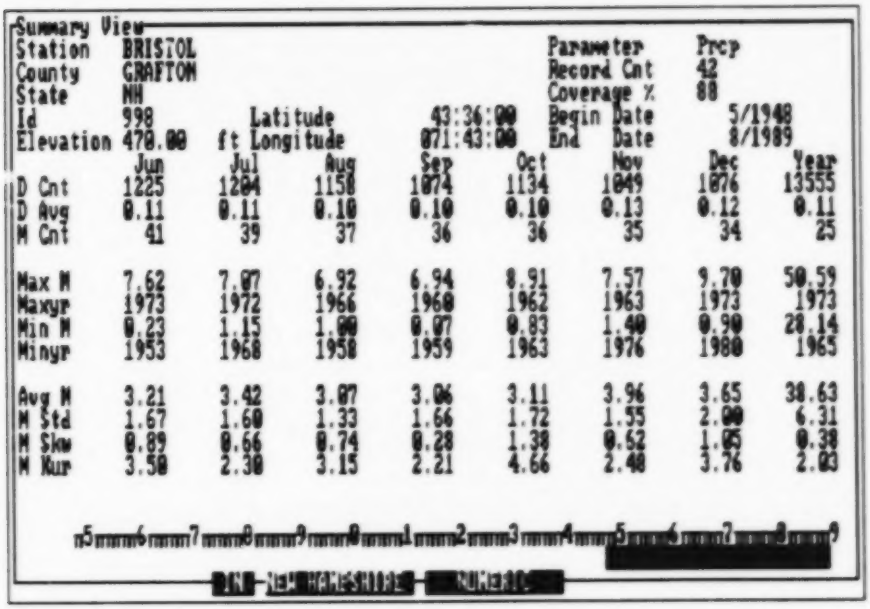


Index View

Station Name	Id	Type	SMon/S Yr	EMon/E Yr	#Recs	% Cov
[redacted]	[redacted]	Prcp	[redacted]	[redacted]	[redacted]	[redacted]
BEDFORD	522	Prcp	1/1956	9/1957	2	80
BLACKWATER DAM	741	Prcp	5/1948	8/1989	42	94
BRISTOL	998	Prcp	5/1948	8/1989	42	88
CONCORD WSO AP	1683	Prcp	5/1948	8/1989	42	98
DEERING	1950	Prcp	3/1979	8/1989	11	87
????	2171	Prcp	4/1971	4/1971	1	8
DURHAM	2174	Prcp	5/1948	8/1989	42	86
ERROL	2842	Prcp	5/1948	8/1989	42	94
EVERETT LAKE	2870	Prcp	6/1963	3/1986	24	94
FRANKLIN FALLS DAM	3182	Prcp	5/1948	8/1989	42	96
GORHAM	3485	Prcp	5/1948	10/1951	4	87
HANOVER	3850	Prcp	6/1948	8/1989	42	93
????	3855	Prcp	5/1948	5/1948	1	8
HILLSBORO	4057	Prcp	5/1948	5/1948	1	8
HILLSBORO 2 W	4062	Prcp	6/1948	4/1979	32	91
HOPKINTON LAKE	4218	Prcp	6/1963	8/1989	27	95
HUDSON	4234	Prcp	9/1950	12/1972	23	96
LANDAFF	4568	Prcp	5/1948	5/1969	22	94
LANDAFF 2	4570	Prcp	5/1969	12/1983	16	79
LEBANON FAA AIRPORT	4656	Prcp	6/1948	9/1951	4	83
LINCOLN	4732	Prcp	5/1948	8/1989	41	89

[redacted]

Index to Hourly Precipitation Station Records



Summary View

Station	BRISTOL					Parameter	Prcp	
County	GRAFTON					Record Cnt	42	
State	NH					Coverage %	88	
Id	998	Latitude		43:36:00		Begin Date	5/1948	
Elevation	470.00	ft Longitude		071:43:00		End Date	8/1989	
	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
D Cnt	1225	1204	1158	1074	1134	1049	1076	13555
D Avg	0.11	0.11	0.10	0.10	0.10	0.13	0.12	0.11
M Cnt	41	39	37	36	36	35	34	25
Max M	7.62	7.07	6.92	6.94	8.91	7.57	9.70	50.59
Maxyr	1973	1972	1966	1960	1962	1963	1973	1973
Min M	0.23	1.15	1.00	0.07	0.83	1.40	0.90	28.14
Minyr	1953	1968	1958	1959	1963	1976	1980	1965
Avg M	3.21	3.42	3.07	3.06	3.11	3.96	3.65	38.63
M Std	1.67	1.60	1.33	1.66	1.72	1.55	2.00	6.31
M Skw	0.89	0.66	0.74	0.28	1.38	0.62	1.05	0.38
M Kur	3.50	2.30	3.15	2.21	4.66	2.48	3.76	2.03

[redacted]

Summary View at One Station

Climatedata - Hourly Precipitation

Description
Precipitation records in TD-3240, the National Climatic Data Center (NCDC) file, for hourly precipitation. Indexed by state and by station. Three disks, Eastern, Central, and Western contain the entire digitized period of record (some stations have hourly precipitation records from the early 1900's) for the approximately 5,500 stations nation wide that have recorded hourly precipitation measurements. 125 page user's guide. Software on one 5 ¼" disk.

Source of Data
NCDC

Updated
Annual

Coverage

Subject Areas

Software and Hardware
IBM PC or compatible. DOS version 3.1 or 3.3.

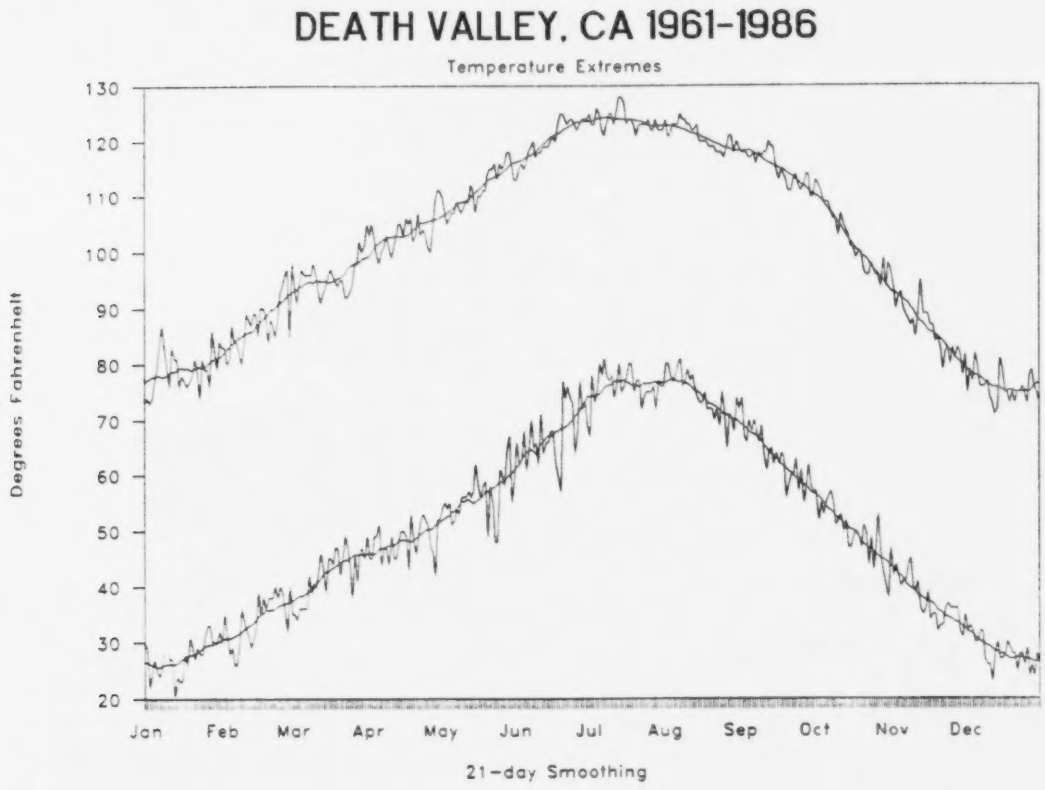
Search Software
Proprietary

Standard
ISO 9660

Price
$495 first year subscription, $295 for annual updates; $1095 purchase; $6 Shipping in U.S.

Technical Contact
Matt Barnes
303-938-1788

Vendor
EarthInfo Inc.
5541 Central Avenue
Boulder, CO 80301
303-938-1788
FAX 303-938-8183



Daily View

Station	DENVER WSFO AP					Parameter	Snow	
County	DENVER					Record Cnt	39	
State	CO					Coverage %	98	
Id	2220	Latitude		39:46:00		Begin Date	8/1948	
Elevation	5280.00 ft	Longitude		104:52:00		End Date	12/1986	
1982	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
19	0.00	0.00	0.00	0.00	1.20	0.00	0.00	
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
22	0.00	0.00	0.00	0.00	0.00	0.70	0.00	
23	0.00	0.00	0.00	0.00	0.00	Trace	Trace	
24	0.00	0.00	0.00	0.00	0.00	0.00	23.60	
25	0.00	0.00	0.00	0.00	0.00	0.00	0.20	
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
27	0.00	0.00	0.00	0.00	Trace	0.00	0.40	
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
31	---	0.00	0.00	---	0.00	---	0.00	
Total	0.00	0.00	0.00	0.00	1.20	1.80	27.10	40.80
Max	0.00	0.00	0.00	0.00	1.20	0.70	23.60	23.60

Climatedata - NCDC Summary of the Day

Description
Includes all of the TD3200 data compiled by the National Climatic Data Center on four disks, Eastern, Central, West - 1 and West - 2. The full period of record (in some cases more than 100 years) for observations at nearly 25,000 cooperating stations in all 50 states. Data includes daily observations of maximum and minimum temperature, precipitation, snowfall and evaporation. 116 page user's guide. Software on one 5 ¼" disk.

Source of Data
NCDC

Updated
Annual

Coverage

Subject Areas

Software and Hardware
IBM PC or compatible. DOS version 3.1 or 3.3.

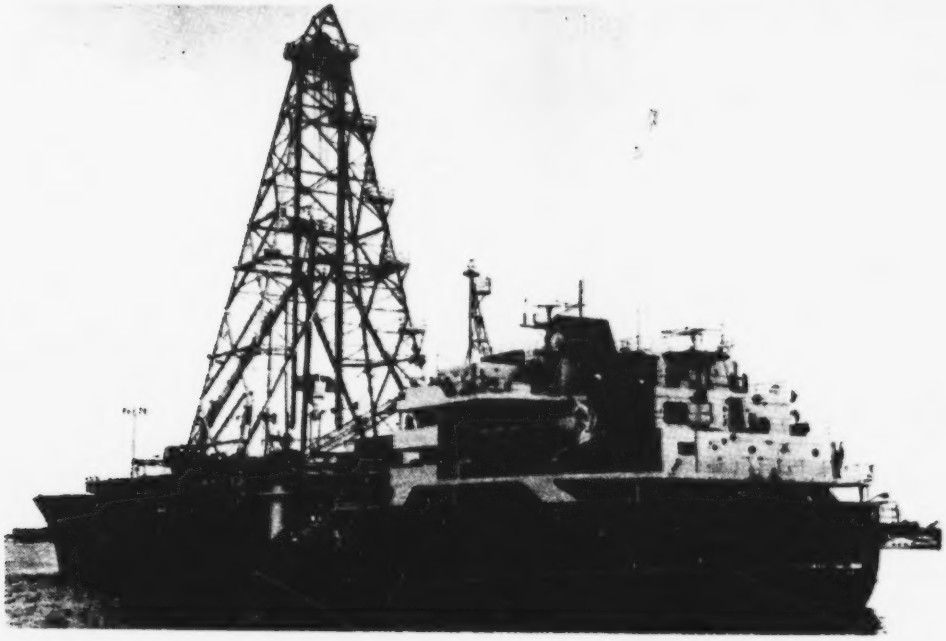
Search Software
Proprietary

Standard
ISO 9660

Price
$495 first year subscription, $295 for annual updates; $1095 purchase; $6 Shipping in U.S.

Technical Contact
Matt Barnes
303-938-1788

Vendor
EarthInfo Inc.
5541 Central Avenue
Boulder, CO 80301
303-938-1788
FAX 303-938-8183



Data from the
Deep Sea Drilling Project
Volume I - Sediment/Hardrock & Reference Files
National Geophysical Data Center
NOAA/U.S. Department of Commerce

Deep Sea Drilling Project: Marine Geological and Geophysical Data, NGDC-03

Description
The DSDP was an international study of the global oceans which spanned three decades and 96 cruises of the D/V GLOMAR CHALLENGER. Data set consists of two discs: Volume 1 (disc 1) includes the sediment/hardrock and reference files. Volume 2 (disc 2) contains downhole logs and underway geophysics. Three-ring binder includes description and user's manual. Includes custom menu-driven software to provide access to the full suite of computerized DSDP data and reference files. This set was produced, and is distributed, with support from the U.S. Science Support Program of the Joint Oceanographic Institutions, Inc. (JOI).

Source of Data
Deep Sea Drilling Project

Updated

Coverage
1968 - 1983

Subject Areas
Marine Geology, Marine Geophysics

Software and Hardware
MS-DOS 2.0 or higher. IBM PC/XT/AT, Macintosh or compatible with 640K RAM, 10 megabyte hard disk drive. Herc, CGA, EGA, or VGA graphics card and monitor

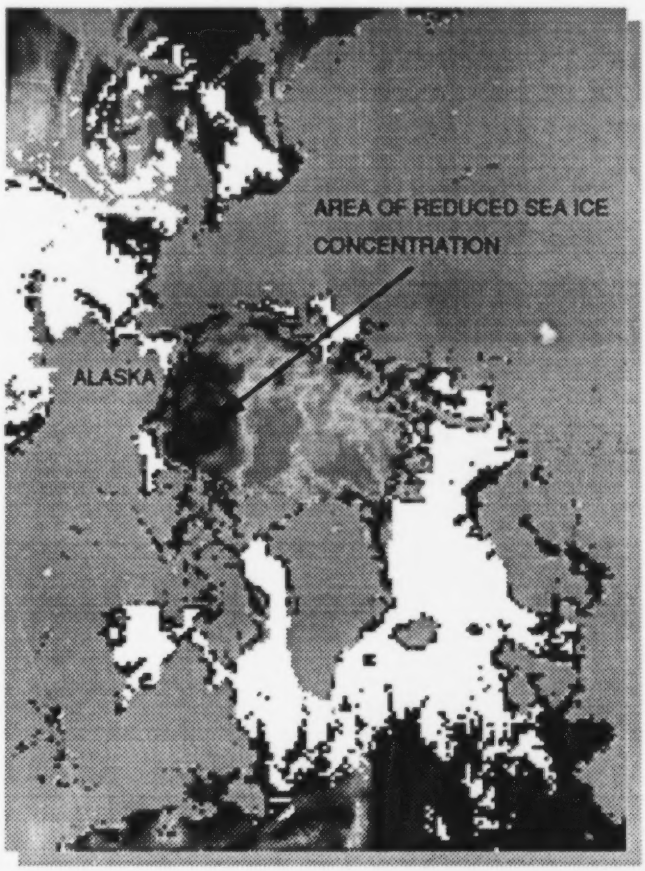
Search Software
NGDC Developed

Standard
ISO 9660

Price
Free to U.S. academic/government researchers, $90.00 to foreign or industrial requestors; NGDC Order Number 993-A27-001

Technical Contact
Carla J. Moore
303-497-6339; FTS 320-6339
Internet:
cjm@ngdc1.colorado.edu
NGDC
Macintosh Assistance
Dr. Peter W. Sloss
303-497-6119
Internet:pws@ngdc1.colorado.edu

Vendor
National Geophysical Data Center
E/GC3
325 Broadway
Boulder, Colorado 80303
Telemail:[NGDC.WDCA.BLDR/OMNET]MAIL/USA
Fax: 303-497-6513



SSM/I DERIVED ARCTIC SEA ICE CONCENTRATION
1 AUGUST 1988

Northern Hemisphere sea ice concentration grid for 1 August 1988, from DMSP SSM/I passive microwave brightness temperatures. Using the NASA Team Algorithm, software developed at NSIDC derives sea ice concentration using the 19 GHz vertical and horizontal polarizations and the 37 GHz vertical channel SSM/I brightness temperatures. An area of reduced ice concentration is indicated in the western Arctic Ocean north of Alaska. Ice-free areas are shown in white. Greenland is in the lower center of the image.

DMSP SSM/I Brightness Temperature - Polar Regions, Volume 1 - Volume 8

Description
Brightness temperatures for North and South Polar grids are provided with programs to extract grid files from the CD-ROMs, to calculate sea ice concentration from the brightness temperature data, and to display the image files on a PC-compatible computer. Data acquired by Defense Meteorological Satellite Program (DMSP) Special Sensor Microwave/Imager (SSM/I). Data stream began 9 July 1987 and continues to the present. The programs are provided on floppy diskette. Documentation for the package is provided in a loose-leaf ring binder.

Source of Data
Department of Defense via NOAA

Updated
Quarterly

Coverage
July 9, 1987 - June 30, 1989

Subject Areas
Passive Microwave, Sea Ice, Global Change

Software and Hardware
IBM PC or compatible, 286 processor, 640 kilobytes of memory, 20 megabyte hard disk. MS-DOS operating system. EGA or VGA graphics card and monitor. A math coprocessor is recommended for faster data extraction.

Search Software
Developed by Vendor. Display Software - IMDISP (NASA Planetary Data System) for PCs, IMAGIC version 0.9d48 (University of Colorado-CCAR) for Macintosh

Standard
ISO 9660

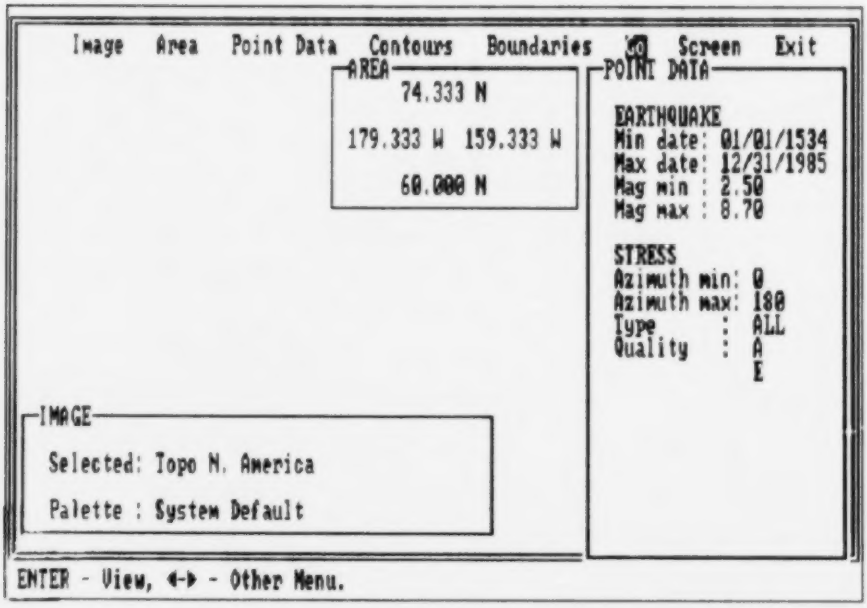
Price
Price on Request

Technical Contact
Claire Hanson 303-492-1834

Vendor
World Data Center-A for Glaciology (Snow and Ice)
National Snow and Ice Data Center
Cooperative Institute for Research in Environmental Sciences, Box 449
University of Colorado
Boulder, Colorado 80309
303-492-5171
Telemail: [NSIDC/OMNET]
MAIL/USA (Attn: Data Request Services)
VAX Mail KRYOS::NSIDC via SPAN
FAX: 303-492-2468

MAIN MENU
Select a menu choice by:
1. positioning highlight bar with arrow keys
and pressing ENTER key or
2. pressing first letter of menu item.
VIEW DATA (IN EGA GRAPHICS MODE)
OUTPUT DATA (FROM CD-ROM TO DISK)
TUTORIAL
UTILITIES
EXIT
F1 Help screens throughout
ESC Abort
ENTER - View menu, ←→ - Other Menu.

Geophysics of North America Main Menu



Earthquake Option Menu

Geophysics of North America, NGDC-02

Description
Contains about 588 megabytes of data and information compiled from many different source tapes available at NGDC and the World Data Center-A for Solid Earth Geophysics. Includes topography magnetics, gravity, earthquake seismology, heat flow, stress data, vegetation index, and geopolitical boundary data. The newest topographic data set (developed by NGDC specifically for this CD-ROM project) contains U.S. coastal bathymetry. Three-ring binder contains description and user's manual. Software on two high density 5 ¼" disks or two high-density 3 ½" disks.

Source of Data

Updated

Coverage

Subject Areas

Software and Hardware
IBM PC/AT or compatible. Access software requires 450K of free RAM, CD-ROM software can be either Reference Technology's Standard File Manager (STDFMAN) or Microsoft extensions to DOS. EGA graphics card and monitor

Search Software

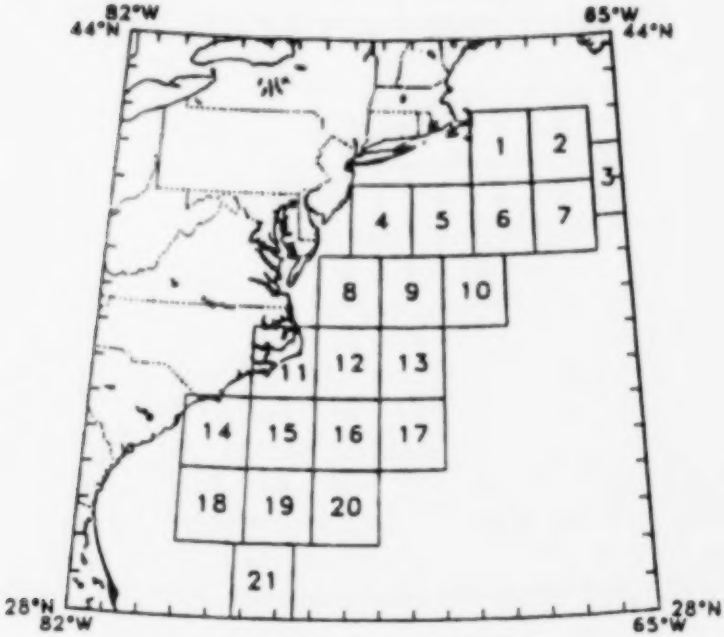
Standard
ISO 9660

Price
$580.00 plus handling NGDC Order Number 975-B27-001

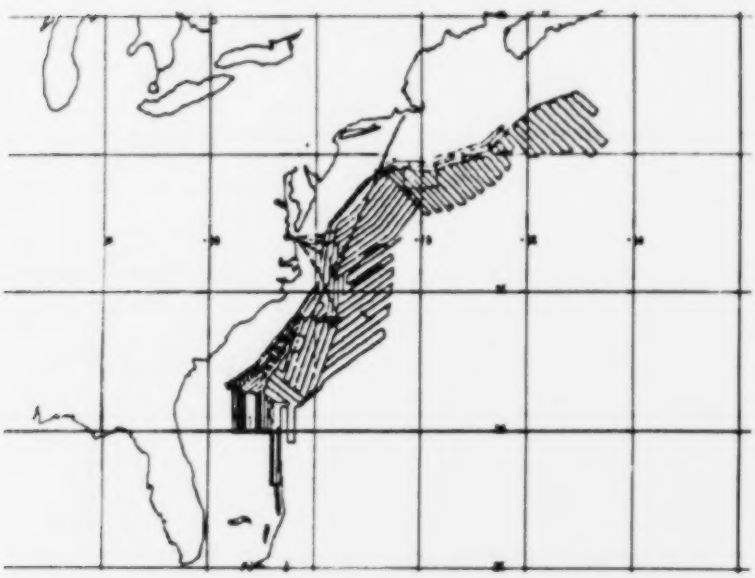
Technical Contact
End-user support, Allen Hittelman, 303-497-6591
System support, John Kinsfather, 303-497-6404
CD-ROM technology, Carl Abston, 303-497-6276

Vendor
National Geophysical Data Center
E/GC3
325 Broadway
Boulder, Colorado 80303
Telemail:[NGDC.WDCA.BLDR/OMNET]MAIL/USA
Fax: 303-497-6513

Location Diagram of GLORIA Image Maps
Disc A - Image Maps



Location Diagram of GLORIA Image Maps
Disc B - Data Files



GLORIA - East Coast - Disk A and B

Description
As part of its mission to map Federal lands and to determine their resource potential, the U.S. Geological Survey (USGS) began a program to provide maps of the Exclusive Economic Zone (EEZ). The reconnaissance-scale technology that the USGS selected was the long-range sidescan sonar system GLORIA (Geological Long-Range Inclined Asdic), owned and operated by British colleagues at the Institute of Oceanographic Sciences in the United Kingdom. The two discs contains imagery data for the sea floor of the U.S. east coast. Access software is on the CD-ROM discs.

Source of Data
USGS

Updated

Coverage
U.S. East Coast Exclusive Economic Zone

Subject Areas

Software and Hardware
IBM PC/AT/XT or compatible, MS-DOS

Search Software

Standard
ISO 9660

Price

Technical Contact
Dr. Peter W. Sloss
303-320-6119

Vendor
National Geophysical Data Center
E/GC3
325 Broadway
Boulder, Colorado 80303
Telemail:[NGDC.WDCA.BLDR/OMNET]MAIL/USA
Fax: 303-497-6513

Sea Floor of the Gulf of Mexico

GLORIA Sidescan Sonar Data (Gulf of Mexico), NGDC-04

Description
As part of its mission to map Federal lands and to determine their resource potential, the U.S. Geological Survey (USGS) began a program to provide maps of the Exclusive Economic Zone (EEZ). The reconnaissance-scale technology that the USGS selected was the long-range sidescan sonar system GLORIA (Geological Long-Range Inclined Asdic), owned and operated by British colleagues at the Institute of Oceanographic Sciences in the United Kingdom. The disc contains three sets of imagery data for the sea floor of the Gulf of Mexico EEZ. Software on one high-density disk. Twenty-three page description and user's manual fits inside the jewel case.

Source of Data
USGS

Updated

Coverage

Subject Areas
Undersea Geology, Sonar

Software and Hardware
IBM PC/XT/AT/PS/2 or compatible. MS-DOS 2.0 or higher, Microsoft MS-DOS CD-ROM Extensions, Version 2.0. CGA, EGA or VGA graphics card and monitor

Search Software

Standard
High Sierra

Price
$45.00 NGDC Order Number 129-J27-001

Technical Contact
Dr. Peter W. Sloss
303-497-6119

Vendor
National Geophysical Data Center
E/GC3
325 Broadway
Boulder, Colorado 80303
Telemail:[NGDC.WDCA.BLDR/OMNET]MAIL/USA
Fax: 303-497-6513

Figure 1 - Image of the seafloor off Monterey Bay California from the digital bathymetric data (SEABEAM).

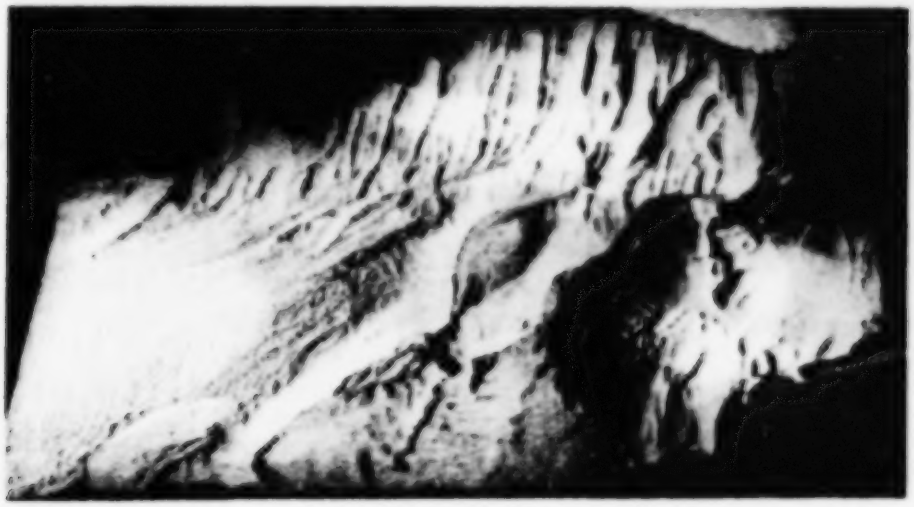


Figure 2 - Image of the seafloor and the land surface near central California (USA) produced from the digital seafloor bathymetric data (SEABEAM) and Digital Elevation (topographic) Model (DEM) data.

High Resolution Bathymetry and Selected Geoscience Data for the Monterey Bay Region

Description
This sampler disc contains NOAA High Resolution Bathymetric Data and other data sets for the Monterey Canyon area. It was produced in conjunction with the 1989 U.S. Exclusive Economic Zone (EEZ) Symposium hosted by the U.S. Geological Survey and National Oceanic and Atmospheric Administration Joint Office for Mapping and Research. Type of data on the CD are: multi-beam bathymetric, sea beam, GLORIA side scan sonar data, digital elevation model (DEM) data, digital photographs, LANDSAT and geodetic control information. Documentation and additional information are contained on the README files on the CD.

Source of Data
USGS, NOAA

Updated

Coverage
Central California, USA Ocean and Land

Subject Areas
Bathymetic mapping, LANDSAT Land/Ocean geographic Information

Software and Hardware
80386 or 80386SX microprocessor-based DOS system with 70MB hard disk, VGA monitor, extended VGA video display card.

Search Software
IMDISP Developed by NASA

Standard
ISO 9660/DOS

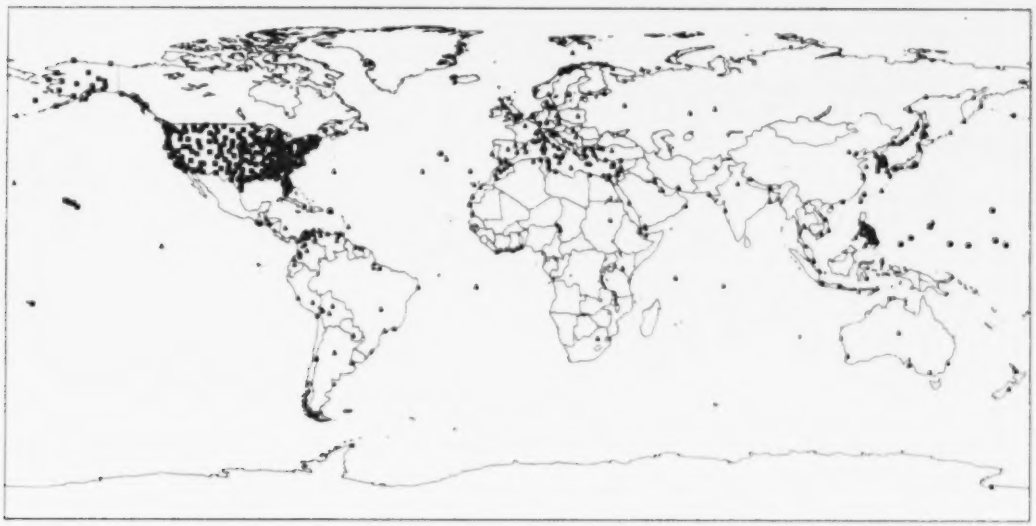
Price
Available for exchange to research institutions

Technical Contact
Millington Lockwood
703-648-6525

Vendor
USGS/NOAA Joint Office for Mapping and Research
USGS National Center
12201 Sunrise Valley Drive
Reston, VA 22092
703-648-6525

INTERNATIONAL STATION METEOROLOGICAL CLIMATE SUMMARY

FEDERAL CLIMATE COMPLEX - ASHEVILLE, NC



KEY : Summary of Meteorological Observations Surface

- ■ National Oceanic and Atmospheric Administration Summaries
- ▲ U.S. Navy Summaries - Surface Observations Climate Summaries
- ● U.S. Air Force Summaries

An additional 5434 World Wide Airfield Summaries are also available but are not shown for clarity.

International Station Meteorological Climate Summary

Description
The National Climatic Data Center (NCDC), in cooperation with the U.S. Navy and U.S. Air Force has developed an International Station Meteorological Climate Summary (ISMCS) CD-ROM containing detailed climate summaries for 640 world wide stations and 5434 of the World Wide Airfield Summary stations as "fillers" in sparse regions. The detailed summaries contain up to 40 separate tables with 1 to 108 sub-tables. The data are accessible by geographically panning and zooming to a given area on a global display or by directly selecting a station from one of seven identifiers, such as name, WMO#, or country. The data includes surface air temperature, humidity, winds and precipitation. Five basic types of summaries are contained on the ISMCS: U.S. Navy Personal Computer Version of Summary of Meteorological Observations Surface (PC-SMOS), NOAA PC-SMOS, U.S. Navy Foreign PC-SMOS, USAFETAC Personal Computer Version of Surface Observation Climatic Summary (PC-SOCS), and U.S. Navy World Wide Airfield Summaries (WWAS). The software is contained on the CD-ROM and is menu driven with on screen directive prompts. Detailed help screens describe the system at all levels of the system and serves as the User's Manual.

Source of Data
NCDC

Coverage
From 10 to 80 years of hourly and daily summarized data.

Software and Hardware
IBM compatible computer with MS-DOS 3.0 or higher, EGA graphics card, 400K of RAM, Hard or floppy drive for temporary file creation, CD-ROM drive with MS-DOS extensions.

Standard
ISO 9660

Technical Contact
Claude N. Williams, Jr.,
Global Climate Lab, NCDC,
704-259-0266
(FTS) 672-0266

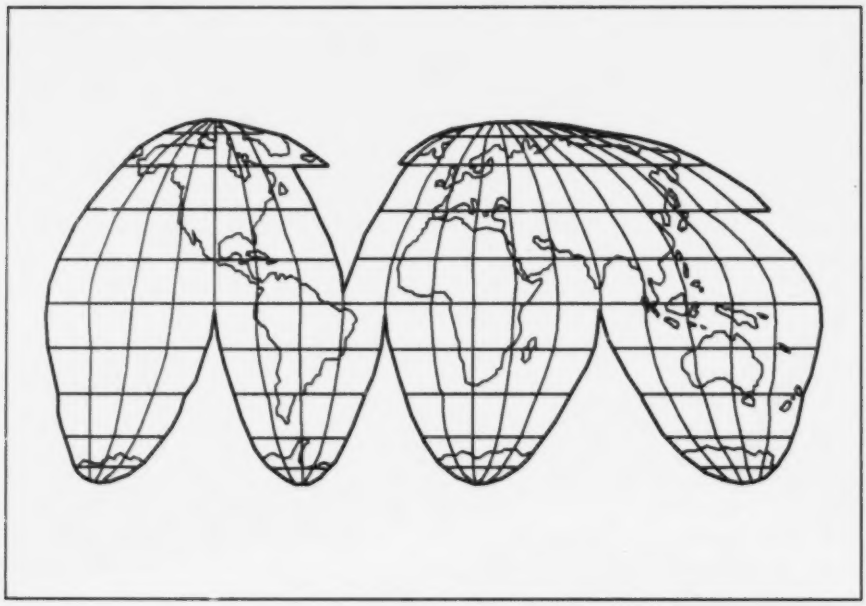
Updated
Annually for two years

Subject Areas
Metecrology, HVAC Engineering, Civil Engineering

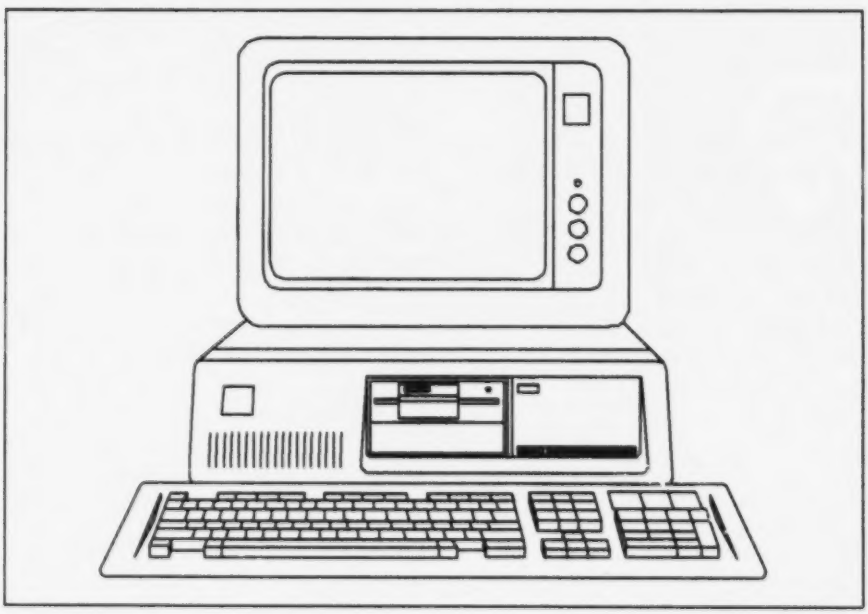
Search Software
Developed in-house at the Global Climate Lab of the National Climatic Data Center, Asheville, NC, using "C" computer language

Price
$50.00 plus handling

Vendor
Federal Climate Complex, Asheville
National Climatic Data Center
Federal Building, Asheville,
NC 28801-2696
704-259-0682
(FTS) 672-0682



Two Gigabytes of World Wide Data and Information



At The Teacher's or Student's Workstation

Joint Education Initiative (JEdI)

Description
The JEdI project is designed to empower teachers and students with real and current scientific data. Databases, made available from the National Aeronautics and Space Administration (NASA), the National Oceanic and Atmospheric Administration (NOAA), and U.S. Geological Survey (USGS), have been given to the schools. This set of CD-ROMs, disk A, B, and C, contain earth and space science information for use in pre-college level education. The teacher and student has the capability of accessing 2 gigabytes of scientific information. Classroom workbooks are available. One can study topics such as satellite vegetation indices and the relationship between gravity, magnetic anomalies, and crustal stress. Other areas covered are ocean bathymetry, temperature and salinity, Antarctic ice fluctuation, seismographic information, ozone levels, comet spectral analysis, and Voyager images. Online tutorial and individual "read_me" files.

Source of Data

Updated

Coverage

Subject Areas

Software and Hardware
IBM Compatible or Macintosh, Color display (MAC), VGA (IBM), 640K (IBM), 1MB (Mac), MS DOS 3.1 or higher (IBM), Apple Mac.

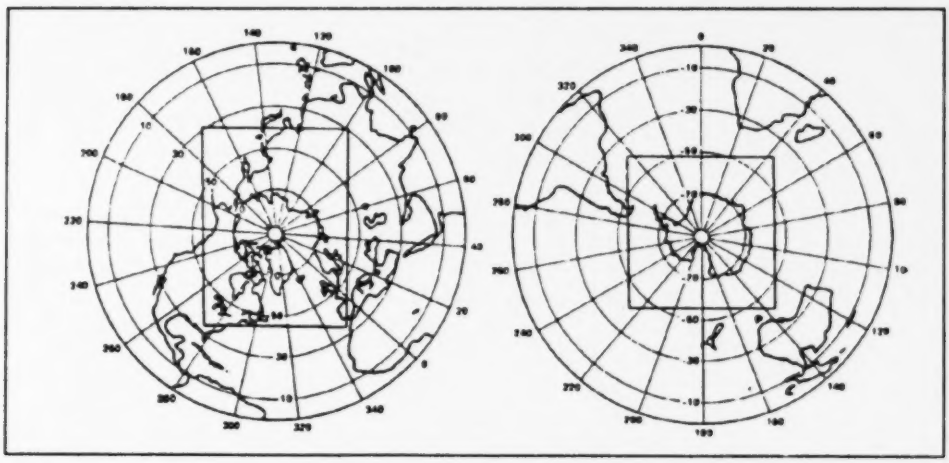
Search Software

Standard
ISO 9660

Price
$35.00

Technical Contact
U.S. Geological Survey
Mary Orzech
703-648-6631
Jim Sproull
703-648-6636

Vendor
Nimbus Information System
SR 629, Guilford Farm
Ruckersville, VA 22968
Larry Boden
800-782-0778



SMMR brightness temperatures are processed into this grid configuration.

Parameter Name	Scale	Units	Start	Bytes
6.6 GHz vertical	0.10000	DEG-K	1	2
6.6 GHz horizontal	0.10000	DEG-K	3	2
10.6 GHz vertical	0.10000	DEG-K	5	2
10.6 GHz horizontal	0.10000	DEG-K	7	2
18.0 GHz vertical	0.10000	DEG-K	9	2
18.0 GHz horizontal	0.10000	DEG-K	11	2
21.0 GHz vertical	0.10000	DEG-K	13	2
21.0 GHz horizontal	0.10000	DEG-K	15	2
37.0 GHz vertical	0.10000	DEG-K	17	2
37.0 GHz horizontal	0.10000	DEG-K	19	2

Parameter definition table

NIMBUS-7 SMMR Brightness Temperature Grids - Northern Hemisphere, Volume 1

Description
Includes Scanning Multichannel Microwave Radiometer (SMMR) brightness temperature grids for the North Polar region. In addition to brightness temperatures from each of the five dual-polarized SMMR channels, the CD-ROM contains sensor and grid documentation. The SMMR mission objective was to obtain ocean circulation parameters on a "nearly all-weather" operational basis. Eight page guide. Software on two 5 ¼" disks.

Source of Data
NASA

Coverage
October 29, 1978 - January 31, 1980

Software and Hardware
IBM PC or compatible, 286 processor, 640 kilobytes of memory, 20 megabyte hard disk. MS-DOS operating system. EGA or VGA graphics card and monitor. A math coprocessor is recommended for faster data extraction.

Standard
ISO 9660

Technical Contact
Claire Hanson 303-492-1834

Updated
Schedule not determined

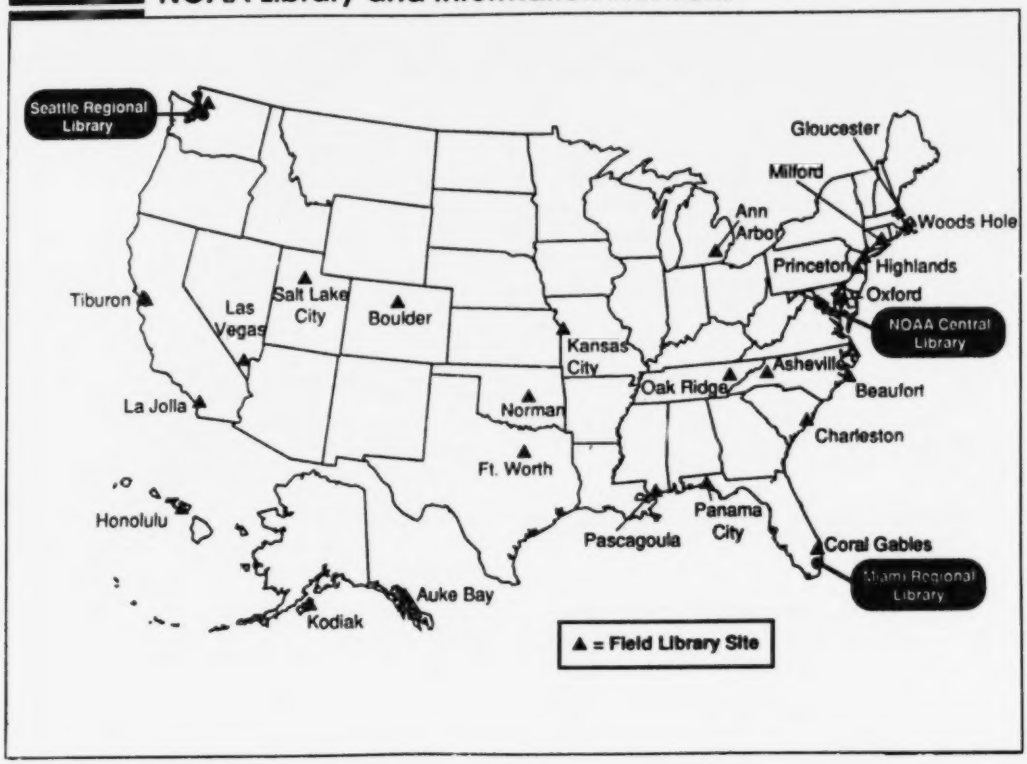
Subject Areas
Passive Microwave, Sea Ice, Global Change

Search Software
Developed by Vendor
Display Software - IMDISP (NASA Planetary Data System) for PCs

Price
Price on Request

Vendor
World Data Center-A for Glaciology (Snow and Ice)
National Snow and Ice Data Center
Cooperative Institute for Research in Environmental Sciences, Box 449
University of Colorado
Boulder, Colorado 80309
303-492-1834
Telemail: [NSIDC/OMNET]
MAIL/USA (Attn: Data Request Services)
VAX Mail KRYOS::NSIDC via SPAN
FAX: 303-492-2468

NOAA Library and Information Network

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Title selected: Earth observations and the polar platform / John H...
          Use ◄ or ► to browse.  To select use ▼ then Enter.

Title:      Earth observations and the polar      1 McElroy, John H.
              platform / John H. McElroy and        ASTRONAUTICS IN EARTH SC
              Stanley R. Schneider.                 SPACE STATIONS.
Author:     McElroy, John H.                        EARTH -- REMOTE SENSING.
Publisher:  Washington, D.C. : National Oceanic     Schneider, Stanley R.
              and Atmospheric Administration,       United States. National
              National Environmental Satellite,     United States. National
              Data, and Information Service,
              1985.
Collation:  16 p. : ill. ; 28 cm.
Subject:    Astronautics in earth sciences.
Subject:    Space stations.
Subject:    Earth -- Remote sensing.
Location:   ROCKVILLE, SEATTLE

            QC879.5 .U47 no.18

Esc Undo  F1 Help  F2 Start  F3 Log  F4 Card  F5 Subj  F6 Title  F7 Author  F8 Topics  F9 Print  F10 Save
```

NOAA Library Information Network Catalog - NOAALINC

Description
Contains the bibliographic records of 19 National Oceanic and Atmospheric Administration (NOAA) libraries and information centers. The data base is built from the cataloging done on the Online Computer Library Center (OCLC). NOAALINC is a multimedia public access catalog. It provides dictionary or boolean search options, save search capability, response to natural language request, browsing of the catalog, artificial intelligence system, hypertext, syntax analysis, and thesaurus substitution techniques. Over 45,000 records related to marine science. Three-ring users manual. Monthly updates with software on 5 ¼" disk.

Source of Data
OCLC Tapes

Updated
Monthly

Coverage
1974 to Present

Subject Areas

Software and Hardware
IBM PC or compatible with 40MB Hard Drive, 640K RAM, Hitachi CD-ROM Drive

Search Software
BiblioFile Intelligent Catalog

Standard
MARC II Communications Format for Bibliographic Records

Price
$545 subscription

Technical Contact
Library Corporation
304-229-0100

Vendor
Library Corporation
Research Park
Inwood, WV 25429
800-624-0559

```
Welcome to the AFOS North American Data Set
        for July - December 1987

 Select type of data desired:

 1) Airways reports - SA   (hourly files)
 2) Land synoptic reports (6-hourly files)
 3) Marine reports        (6-hourly files)
 4) Upper air reports     (12-hourly files)
 5) Aircraft reports      (12-hourly files)
 6) Exit program

 Your choice: 3

 Give desired month (7 thru 12): 8
 Give desired day of month: 12
 Give desired GMT hour (1-23): 12

 Do you wish to:

 1) Page through the data
 2) Search for a specific character string
 3) Export data to a file

 Your choice: 1
```

Opening Menu

```
Data type: MRN  Date/time: 12 AUG 1987 1200Z

ID  WXVSB  /WIND/WAVE/SEAS/AIR/PRESS/REMARKS STA NAME
78W CY 07  /NE 05/    /     /73 /2990          OAK ISLAND
1W9        /NO REPORT                          WRIGHTSVILLE BEACH
3W4 C  07  /N  09/    /     /72 /2990          SWANSBORO
BT
TTAA00 KORF 121600??CES
ID    WXVSB /WIND /WAVE/SEA/AIR/PRES/REMARKS STATION NAME
45W    CY 06/NE 16/     /    /85 /2994/CST-25  OCRACOKE
79W    C  07/ENE10/     /    /82 /3000/        OREGON INLET
NWN39  CY 06/NE 16/     /    /82 /2993/        HATTERAS INLET
TOD:08:12:14:56:43:87
TTAA00 KNHC 121248
COAST GUARD SURFACE REPORT
NATIONAL WEATHER SERVICE
845 AM EDT WED AUG 12 1987
STORM NNJH 12094 99270 70747 41797 82317 10278 2024/
40128 57006 71729 887// 22283 00294 20302 324// 41005
///// ///// ///// /////=
TTAA00 KNHC 121312
COAST GUARD SURFACE REPORT
NATIONAL WEATHER SERVICE

Type <cr> to page down, u to pag
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Marine Report

North American Observational Data For July - December 1987

Description
Contains the conventional surface and upper air data collected over North America and the adjacent coastal waters for July through December 1987. The disc is divided into two directories: DATA which contains all the data files and INDEX which holds all the index files that allow direct access to the information. The DATA directory consists of eight files: 1) aviation hourlies, 2) land synoptic data, 3) marine data including ship reports, buoy data, and Coast Guard reports, 4) upper air reports from radiosondes, pibals, profilers, satellites, and rocketsondes, 5) PIREP and RECON data, and for over several decades the hourly surface data from, 6) North Bend, Oregon, 7) Seattle-Tacoma Airport, and 8) Los Angeles International Airport.

Source of Data
National Climatic Data Center

Updated

Coverage
July - December 1987

Subject Areas
Weather Data, Atmospheric Sciences, Climate, Meteorology

Software and Hardware
IBM PC/XT/AT/PS2 or compatible, DOS 3.1 or higher, Microsoft Extensions

Search Software
Proprietary

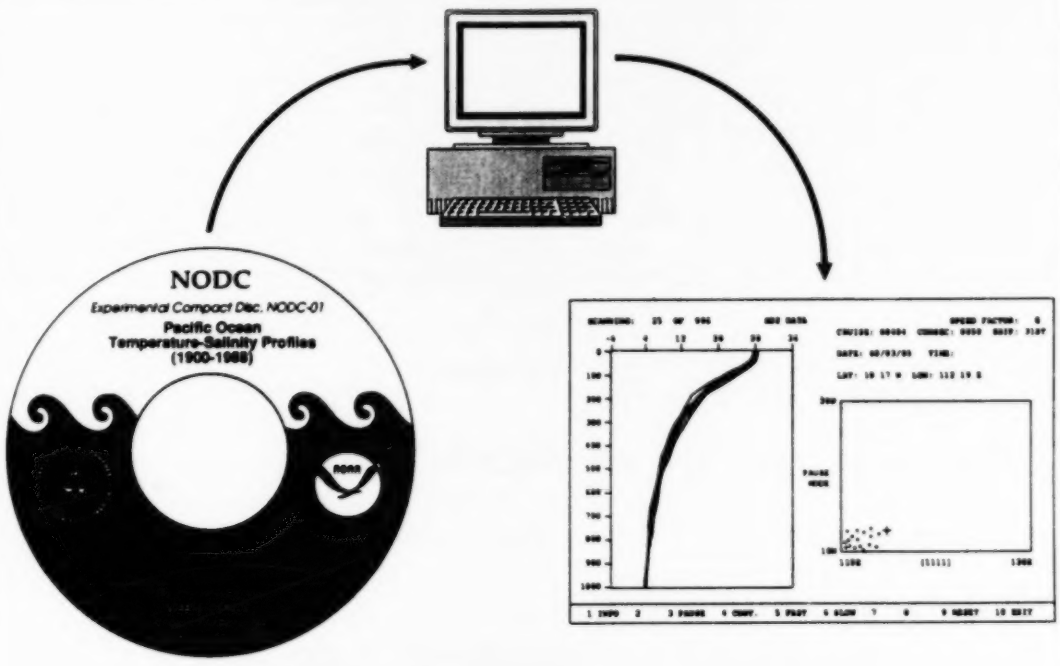
Standard
ISO 9660

Price
$150

Technical Contact
General: Clifford F. Mass
206-685-0910
Access Software: Ernie Recker,
206-543-0448

Vendor
Department of Atmospheric Sciences, AK-40
Attention: C. Mass
University of Washington
Seattle, Washington 98195

Ocean Data on CD-ROM



1.3 million temperature-depth and salinity-depth profiles taken in the Pacific Ocean between 1900 and 1988

Pacific Ocean Temperature and Salinity Profiles NODC-01

Description
Contains over 1.3 million Pacific Ocean temperature-depth and salinity-depth profiles. The data was submitted to the National Oceanographic Data Center (NODC) by a wide range of federal, national, and international institutions. The disc is accompanied by a set of software modules created by NODC. The software enables users to access, subset, copy, and display profiles. An inventory module allows the user to display counts of files on the disc to the one degree square level. Twenty-two page description and user's manual. Software on one high-density 5 ¼" disk.

Source of Data

Updated

Coverage
1900-1988

Subject Areas

Software and Hardware
IBM PC/XT/AT or compatible.
Microsoft MS-DOS extensions for version 2.0 or higher.
EGA graphics card and monitor.

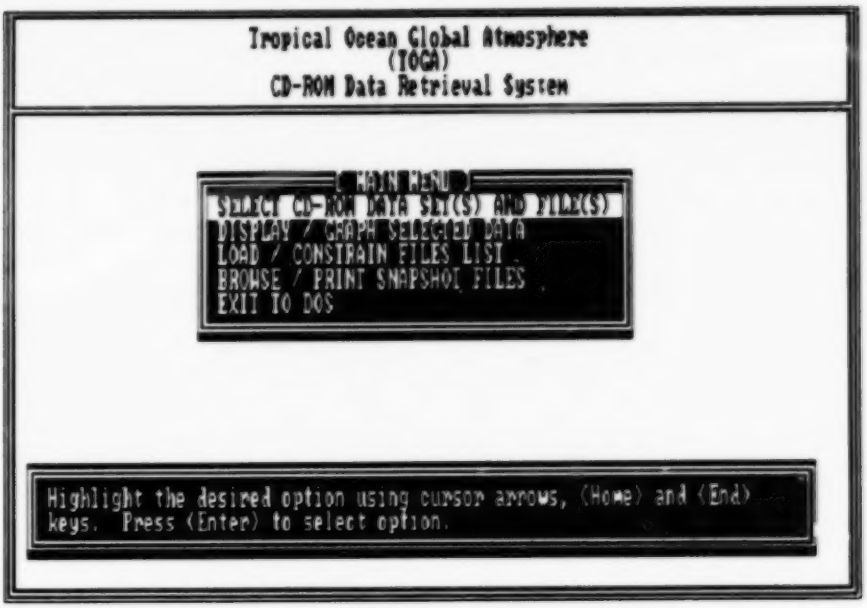
Search Software
NODC

Standard
ISO 9660

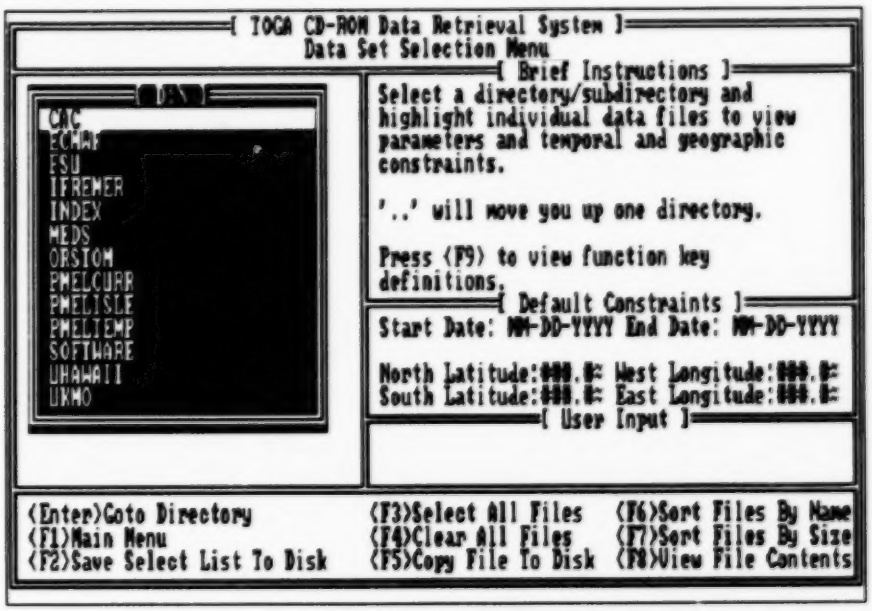
Price

Technical Contact
Peter J. Topoly
202-783-5591

Vendor
National Oceanographic Data Center
NOAA/NESDIS E/OCx4
1825 Connecticut Ave., NW
Washington, DC 20235
Telemail NODC.WDCA on
Omnet/Sciencenet
NODC::SERVICES on SPAN


Tropical Ocean Global Atmosphere
(TOGA)
CD-ROM Data Retrieval System
MAIN MENU
SELECT CD-ROM DATA SET(S) AND FILE(S)
DISPLAY / GRAPH SELECTED DATA
LOAD / CONSTRAIN FILES LIST
BROWSE / PRINT SNAPSHOT FILES
EXIT TO DOS
Highlight the desired option using cursor arrows, (Home) and (End) keys. Press (Enter) to select option.

TOGA Main Menu



Listing of Data Sets

Tropical Ocean Global Atmosphere (TOGA) Meteorological and Oceanographic Data Sets for 1985 and 1986

Description
This CD-ROM contains various Tropical Ocean Global Atmosphere (TOGA) data sets. The data include both selected observations and selected numerical model results for 1985 and 1986. The disc comes with a report that describes each data set, the manner in which the data were reformatted prior to inclusion on the CD-ROM, the structure of the CD-ROM, and instruction to download data files from the CD-ROM to a microcomputer. Application software to search and retrieve data files and to view the files in tabular and graphical formats is provided on three high density (1.2Mb) floppy diskettes.

Source of Data
Listed in the Report

Updated

Coverage

Subject Areas
Meteorological Data,
Oceanographic Data

Software and Hardware
IBM PC or compatible with 640K RAM or Apple Macintosh II. MS-DOS extensions. EGA graphics card and monitor.

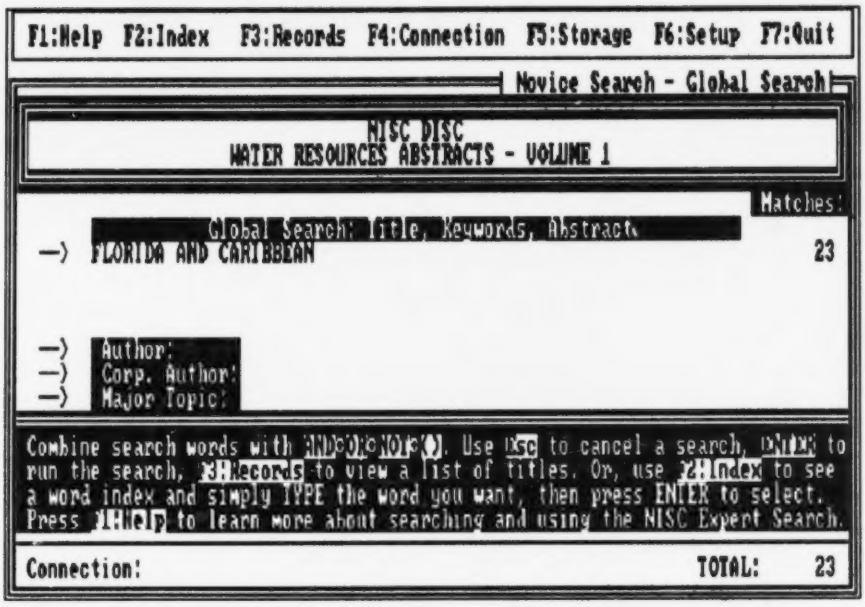
Search Software
Developed by Walser Analytical, Inc.

Standard
ISO 9660

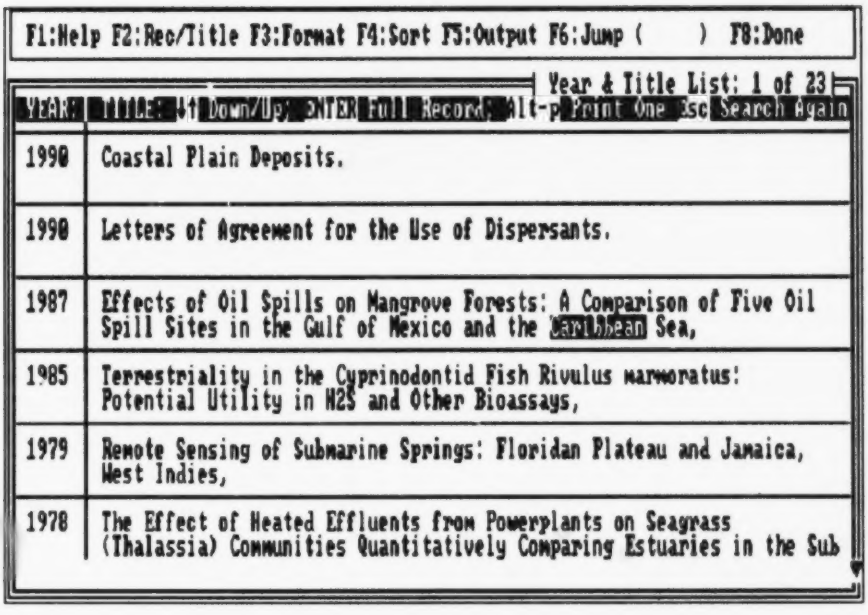
Price
Free of Charge

Technical Contact
Jet Propulsion Laboratory/
National Aeronautics and Space Administration Ocean Data System
Elizabeth Smith
OMNET : NODS.JPL
SPAN : STANS::RAL
818-354-6980

Vendor
International TOGA Project Office
World Meteorological Organization
41, Avenue Giuseppe-Motta
P.O. Box 2300
CH-1211, Geneva 2
OMNET INTL.TOGA


F1:Help F2:Index F3:Records F4:Connection F5:Storage F6:Setup F7:Quit
Novice Search - Global Search
NISC DISC
WATER RESOURCES ABSTRACTS - VOLUME 1
Matches:
Global Search: Title, Keywords, Abstract
FLORIDA AND CARIBBEAN
23
Author:
Corp. Author:
Major Topic:
Combine search words with AND, OR, NOT(). Use Esc to cancel a search, ENTER to run the search, F3:Records to view a list of titles. Or, use F2:Index to see a word index and simply TYPE the word you want, then press ENTER to select. Press F1:Help to learn more about searching and using the NISC Expert Search.
Connection:
TOTAL: 23

Limit or Expand Search by Field Options


F1:Help F2:Rec/Title F3:Format F4:Sort F5:Output F6:Jump ( ) F8:Done
Year & Title List: 1 of 23
YEAR TITLE Alt Down/Up ENTER Full Record Alt-p Print One Esc Search Again
1990 Coastal Plain Deposits.
1990 Letters of Agreement for the Use of Dispersants.
1987 Effects of Oil Spills on Mangrove Forests: A Comparison of Five Oil Spill Sites in the Gulf of Mexico and the Caribbean Sea,
1985 Terrestriality in the Cyprinodontid Fish Rivulus marmoratus: Potential Utility in H2S and Other Bioassays,
1979 Remote Sensing of Submarine Springs: Floridan Plateau and Jamaica, West Indies,
1978 The Effect of Heated Effluents from Powerplants on Seagrass (Thalassia) Communities Quantitatively Comparing Estuaries in the Sub

List of Titles

Water Resources Abstracts - Volume I

Description
This is the entire 225,000 abstracts of the Selected Water Resources Abstracts (SWRA) bibliographic database from the U.S. Geological Survey. Literally anything to do with water anywhere in the world since 1967 is covered on this disc. There are at least 8000 records on the oceans and over 230,000 abstracts in all. The entire SWRA database is on one CD-ROM. Also the WRSIC thesaurus is included. Search access permits proximity and phrase searches of each lengthy abstract. 89 page user's guide. Access software is on the CD-ROM.

Source of Data
USGS

Updated
Semi-Annual

Coverage
1967 - 1991

Subject Areas
Water Supply, Quality, Resources, Conservation

Software and Hardware
IBM PC/XT/AT or compatible, 512 RAM. DOS 3.1 or higher, MS-DOS CD-ROM extensions

Search Software
NISC Customized Dataware CD-Answer

Standard
ISO 9660

Price
$625 annual subscription

Technical Contact
Fred Durr, 301-243-0797

Vendor
National Information Services Corporation (NISC)
Suite 6, Wyman Towers
3100 St. Paul Street
Baltimore, MD 21218
301-243-0797
FAX 301-243-0982

TABLE B-2

Series ID	NW		SE	
A	50	220	55	225
B	50	225	55	230
C	50	230	55	235
D	45	220	50	225
E	45	225	50	230
F	45	230	50	235
G	45	235	50	240
H	40	220	45	225
I	40	225	45	230
J	40	230	45	235
K	40	235	45	240
L	30	220	35	225
M	35	225	40	230
N	35	230	40	235
O	35	235	40	240
P	30	220	35	225
Q	30	225	35	230
R	30	230	35	235
S	30	235	35	240
T	30	240	35	245
U	30	245	35	250
V	25	220	30	225
W	25	225	30	230
X	25	230	30	235
Y	25	235	30	240
Z	25	240	30	245
0	25	245	30	250
1	25	250	30	255
2	20	235	25	240
3	20	235	25	240
4	20	235	25	240
5	20	235	25	240
6	20	235	25	240
7	20	235	25	240
8	20	250	25	255

TABLE B-3

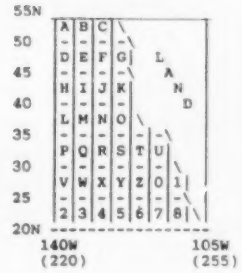
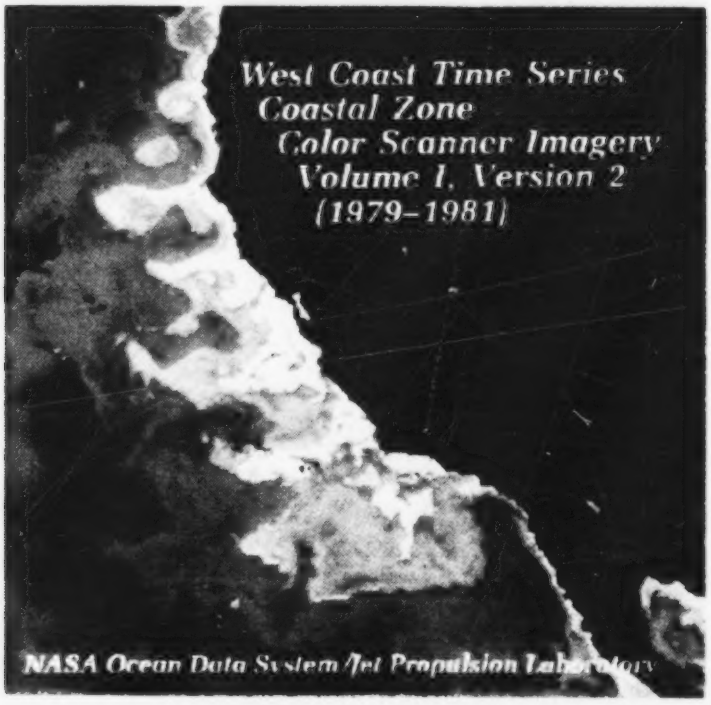


TABLE B-2 shows the Northwest and Southeast corner latitude and longitude coordinates and the Tile (Series) ID letter or number for each of the 35 tiles which comprise a pass.

TABLE B-3 is a map representation showing the location of each tile along the coast of California (land area is marked by LAND).



West Coast Time Series Coastal Zone Color Scanner Imagery

Description
Contains images of near-surface phytoplankton pigment concentration for the west coast of North America for the period from 1979 through 1981. The region extends from the northern tip of Vancouver Island to the southern tip of Baja California. Four types of images are found on the disc: tile, quick-look, mosaic, and cloud. The software program provides for the reading of the images, decompression, display, and downloading. The image decompression software in two programming languages and the user's guide are on the CD-ROM. The software to display the images is distributed on a separate diskette.

Source of Data

Updated

Coverage
1979-1981

Subject Areas

Software and Hardware
IBM PC/XT/AT or compatible or Apple Macintosh II. Microsoft MS-DOS extensions version 2.0. EGA card and monitor.

Search Software
IMDISP

Standard
ISO 9660

Price

Technical Contact
Elizabeth Smith 818-354-6980

Vendor
National Aeronautics and Space Administration Ocean Data System/Jet Propulsion Laboratory
California Institute of Technology
4800 Oak Grove Drive
Pasadena, CA 91109
818-354-4321

```
You may now select one of the following data sets for viewing:

1. World Monthly Surface Station Climatology for 3,265 stations
   from around the globe.

2. World Airfield Climatological Summaries for 5,717 airport
   locations worldwide.

3. United States monthly normals of temperature and precipitation
   for 5,511 stations throughout the U.S.

4. United States monthly climatic summaries (Climatography No. 20)
   for 1,862 stations throughout the U.S.

5. United States Local Climatological Data summaries for 288
   primary stations throughout the U.S.

6. United States monthly climatic division data from 1895-1988
   for all 350 divisions covering the U.S.

7. United States daily weather data for 205 stations nationwide.

      What is your choice (Esc to exit program): 1
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World WeatherDisc Main Menu

World WeatherDisc, Climate Data for the Planet Earth

Description
Consists of 17 meteorological data sets that describe the climate and weather of the earth today and during the past few hundred years. For example, this disc holds climatic data for thousands of land stations around the world, with some records going back to the 1700's. Also included are summaries of global ship observations since 1945, weather conditions at thousands of airports throughout the world, upper air conditions during the past several decades, and the frequency and movement of tropical cyclones. Has monthly surface station climatology for 3265 stations, worldwide, including antarctic and the oceans, time series and sea level pressure. The disc contains especially detailed information on the weather and climate of the United States, including data from thousands of National Weather Service and associated cooperative stations. These U.S. data sets provide information on temperature, precipitation, heating/cooling degree days, freeze occurrence, drought and soil moisture, wind, sunshine, lightning, tornados and thunderstorms. Three-ring binder user manual. Software on two 5 ¼" disks.

Source of Data
National Climatic Data Center, National Center for Atmospheric Research

Updated
Approximately every two years

Coverage
Worldwide

Subject Areas
Climate, Meteorology, Weather

Software and Hardware
IBM PC/XT/AT/PS2 or compatible. DOS 3.1 or higher, 512K RAM, Microsoft extensions version 2.0 or higher. EGA graphics card and monitor.

Search Software
Proprietary

Standard
ISO 9660

Price
$299

Technical Contact
Clifford F. Mass 206-524-4314

Vendor
WeatherDisc Associates, Inc.
4584 NE 89th
Seattle, WA 98115
206-524-4314

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